Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	08/12/2021 09:15 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/17/2021 09:50 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	12757	Expiration Date:	06/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124925	-1	1.22	124793	1.22
Blue	F	SSC	125000	123571	-2	2.51	123772	2.34
Blue	E	FITC	13131	12746	-3	2.31	294	15.76
Blue	D	PE	24112	23798	-2	1.76	548	10.75
Blue	B	PerCP-Cy5-5	31295	30880	-2	3.08	1023	14.41
Blue	A	PE-Cy7	19939	19869	-1	5.23	528	28.70
Red	C	APC	42122	41729	-1	2.81	1747	11.09
Red	A	APC-Cy7	22340	21898	-2	3.05	820	11.49
Violet	B	V450	7410	7107	-5	3.73	436	11.98
Violet	A	V500	28118	26940	-5	3.33	673	9.97

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23121	1.17	567	-2	N/A	N/A	Pass
Blue	F	SSC	57570	1.03	519	7	N/A	N/A	Pass
Blue	E	FITC	54	54.62	486	-1	0.0396	85	Pass
Blue	D	PE	116	36.16	489	1	0.3976	282	Pass
Blue	B	PerCP-Cy5-5	191	36.24	585	-1	0.0206	112	Pass
Blue	A	PE-Cy7	105	68.12	628	0	0.0230	4	Pass
Red	C	APC	407	23.60	578	2	0.0300	233	Pass
Red	A	APC-Cy7	183	27.68	552	1	0.0065	1267	Pass
Violet	B	V450	61	63.54	453	0	0.0889	3675	Pass
Violet	A	V500	97	35.38	464	-1	0.0261	999	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.97 - 71.95	N/A	N/A	-31.80	-31.57	1.10
Blue	20.35	16.28 - 24.42	1.28	1.02 - 1.52	0.00	0.00	1.42
Red	14.69	13.60 - 20.40	N/A	N/A	29.95	30.16	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 9918

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments